

Amendment to the Specification

Please replace paragraph 122, beginning at p. 53, line 10, with the following replacement paragraph:

In certain embodiments of the invention the reporter gene comprises a regulatory region (preferably including the promoter) for a gene encoding a protein of interest (e.g., a nematode secretory protein or homolog thereof), operably linked to a nucleotide sequence encoding a detectable marker. In certain embodiments of the invention the detectable marker is expressed in a dorsal pharyngeal gland of the transgenic nematode. In certain embodiments of the invention the detectable marker is expressed in the subventral pharyngeal gland of the transgenic nematode. In certain embodiments of the invention the detectable marker is expressed in an amphid sheath cell of the transgenic nematode. Detectable markers such as green fluorescent protein (GFP) or other fluorescent proteins (See, for example, U.S. Pat. No. 5,491,084, U.S. Pat. No. 5,981,200, Fire, A., et al., GFP applications in *C. elegans*, in Green Fluorescent Protein: Properties, Applications, and Protocols, Chalfie, M. and Kain S., (eds.), John Wiley and Sons, New York: 1998, Matz, M V, et al., Fluorescent proteins from nonbioluminescent Anthozoa species, Nat. Biotechnol., 17: 969, 1999, and references therein.) are used in certain preferred embodiments of the invention. Example 4 describes the construction of a *C. elegans* strain carrying a GFP-containing transgene that functions as a reporter for the expression and secretion of VAP-1, the *C. elegans* homolog of the *A. caninum* secretory protein ASP-1. The transgene is referred to as *vap-1::gfp* to indicate that the transgene comprises a regulatory element that normally regulates expression of the endogenous *vap-1* gene operably linked to a DNA sequence encoding GFP. Similar nomenclature is employed with respect to other transgenes described herein. It is to be understood that such transgenes may comprise, in addition to the regulatory region of the indicated endogenous gene, a portion of the coding sequence, intron(s), and/or 3' untranslated region of the endogenous gene. In addition, further expression control or localization elements may be included, such as a nuclear localization signal (NLS). The left to right order of the elements listed in the name of the transgene corresponds to the 5' to 3' order of the sequences in the transgene itself. The corresponding polypeptide product will be similarly designated except that a dash (-) will be used rather than the :: symbol. For example, VAP-1-GFP refers to a polypeptide comprising some or all of the VAP-1 amino acid sequence upstream

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of some or all of the GFP amino acid sequence (i.e., the VAP-1 sequences are at the N terminus of the protein relative to the GFP sequences).